

**JAMESON
ACOUSTICS**

Consultants in acoustics,
noise and vibration

Technical Note

Our Ref	22015-TN-5-R0
Date	30 March 2026
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Client	Domis Construction
Issued To	Domis Construction

Waterhouse Gardens, Manchester

Block A, B, E – PC19B Report Addendum

This technical note seeks to address comments raised by Manchester City Council in relation to our Acoustic Assessment Report 22015-RP-4-R0 [‘the Report’] issued to discharge Planning Condition 18 and 19. The comments relate to Condition 19 Part B and our internal noise level readings, which included long term noise level measurements in several apartments. The concern was that some of these long term measurement results were unable to include rush hour traffic periods into the analysis due to on-site construction works.

Construction works are largely complete on-site (save for some landscaping works). Hence, we have returned to site to conduct additional internal noise level tests with rush hour traffic periods included.

The testing comprises a mixture of long term (~24-hour, capturing at least one rush hour traffic period) automated noise measurements in 12nr apartments, and manned noise level measurements in a further 8nr apartments during rush hour traffic periods.

The visits were conducted between 07:30-09:30hr on Tuesday 24th, Wednesday 25th and Thursday 26th March 2026. At least half of selected apartments were on roadside elevations of principal noise sources (i.e. Dutton St and Trinity Way).

24-Hr Automated Testing Results

The full uncorrected results are presented on the enclosed Time History Graphs 22015-ABE-2-G1 to G12 for each of the 12nr tested habitable rooms (all bedrooms).

For all 12nr tests, MVHR units were set to operate at background (trickle) ventilation rates. Windows were closed.

The BS 8233 / WHO derived internal noise limits are to be achieved in finished and furnished rooms. The rooms tested were finished but unfurnished, without floor coverings laid. The correction from unfurnished to furnished rooms of this size (typically 4m x 3m x 2.5m) is 2 dB, calculated by a reverberation time correction (a conservative 0.8 seconds unfurnished to the BS 8233 reference time of 0.5 seconds furnished).

The following table summarises the measured L_{eq} ambient and L_{Amax} maximum noise levels per test. The colour of the text indicates either compliance in **green** or exceedance in **orange**.

Test Room	Ambient Noise Level (dB)		10-15 th Highest Noise Level at Night, dB $L_{Amax,5min}$ (23:00-07:00)
	Daytime $L_{Aeq,16hr}$ (07:00-23:00)	Night-time $L_{Aeq,8hr}$ (23:00-07:00)	
Block A, 405 Bedroom	31	28	41
Block A, 503 Bedroom	30	27	43
Block A, 905 Bedroom	30	24	39
Block A, 1104 Bedroom	32	28	39
Block B, 202 Bedroom	30	25	42
Block B, 303 Bedroom	28	24	39
Block B, 306 Bedroom	33*	29	41
Block B, 401 Bedroom	30	27	39
Block E, 230 Bedroom (<i>secondary glazed</i>)	30	29	34
Block E, 329 Bedroom (<i>secondary glazed</i>)	28	27	35
Block E, 526 Bedroom	33	28	41
Block E, 532 Bedroom	30**	21	35
Upper Limit	35	30	45

* 16:00-23:00 & 07:00-08:00hr (excluding main daytime period due to extraneous noise from adjacent Grahams Construction site, but includes rush hour traffic period).

** excluding discrete periods during daytime when furniture installers were inside the test apartment.

The results demonstrate compliance with the internal noise limits.

Manned Testing Results

The following table presents the results of the manned noise level testing. The date and times of the tests are confirmed in column one.

The recorded dB values are the total noise levels in test rooms (i.e. due to traffic noise intrusion and the operation of the MVHR system). Each measurement was taken over a longer sampling period than those presented in the Report; typically around 5-minutes duration (or long enough until the L_{Aeq} value settled wrt traffic flows).

The results have been compared against the limits presented in the Report. The colour of the text indicates either compliance in **green** or exceedance in **orange**.

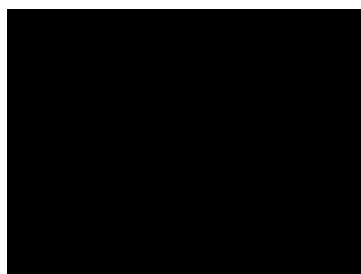
Apartments were finished, but unfurnished. Hence, a 2 dB correction has been applied as described above for the automated testing.

Apartment (date, time)	Room	Measured, dB L _{Aeq}		
		Trickle duty	Summer boost	Residual (MVHR Off)
Block A				
805 (26/03, 07:50)	Living Room	33	33	33
	Bedroom	31* <i>(compliant when corrected for residual)</i>	33	31
1004 (26/03, 08:40)	Living Room	28	31	28
	Bedroom	28	29	28
Block B				
201 (25/03, 07:25)	Living Room	27	-	29
	Bedroom	29	30	29
501 (25/03, 08:00)	Living Room	32	32	30
	Bedroom	25	28	27
506 (25/03, 08:30)	Living Room	35	36	34
	Bedroom	32* <i>(compliant when corrected for residual)</i>	33	32
Block E				
332 (24/03, 07:40)	Living Room	27	32	24
	Bedroom	28	33	25
632 (24/03, 08:10)	Living Room	27	32	25
	Bedroom	24	26	21
626 (24/03, 08:45)	Living Room	31	29	29
	Bedroom	28	29	29

* exceedance due to daytime residual noise level in bedroom – when this reduces at night, total value would be compliant

The results demonstrate compliance with the internal noise limits.

For and on behalf of
Jameson Acoustics Limited

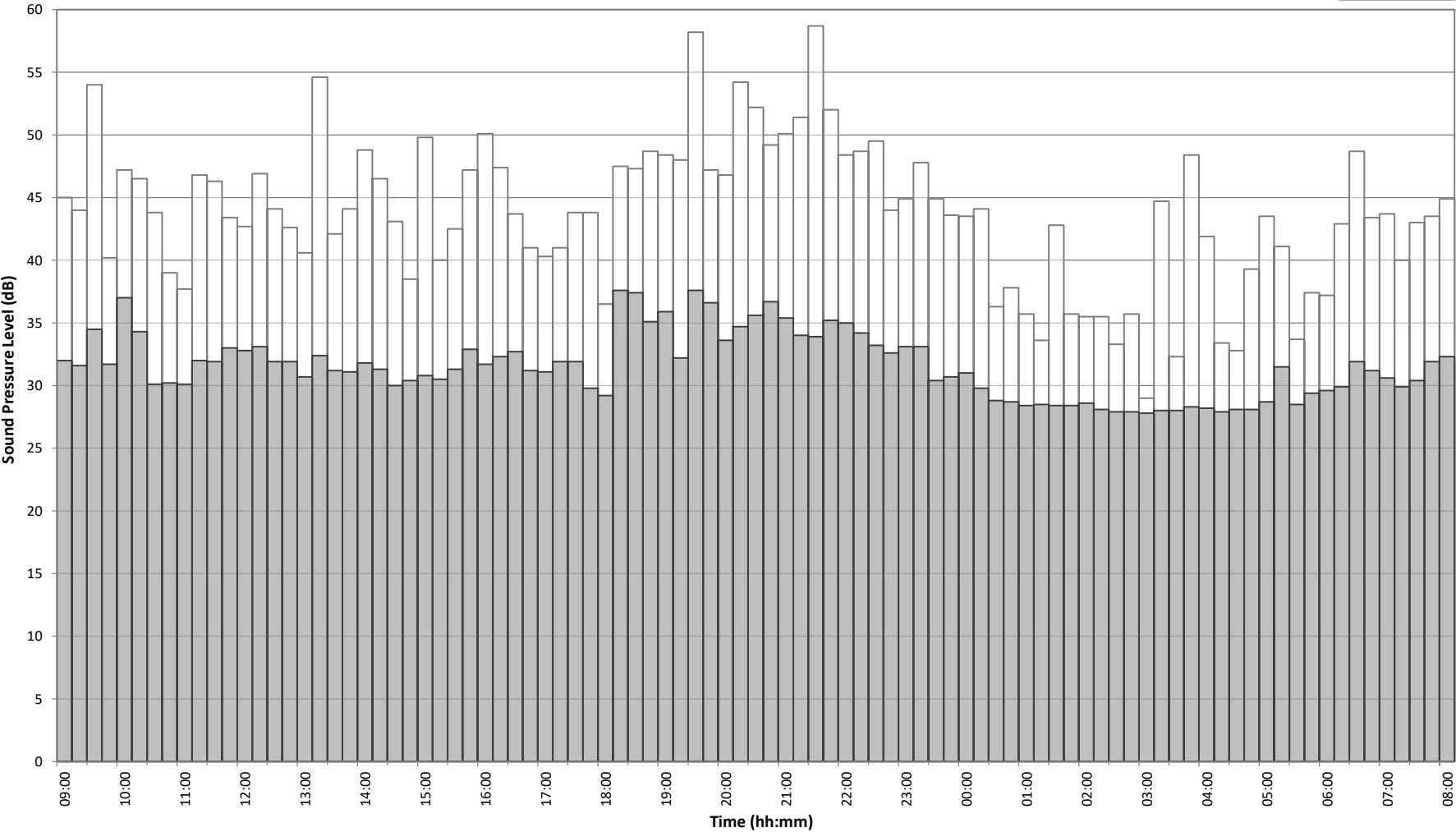
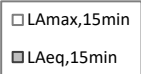


Waterhouse Gardens, Block A, B & E

22015-ABE-2-G1

Survey 2: Block A, 405 Bedroom

Tuesday 24 March 2026 - Wednesday 25 March 2026

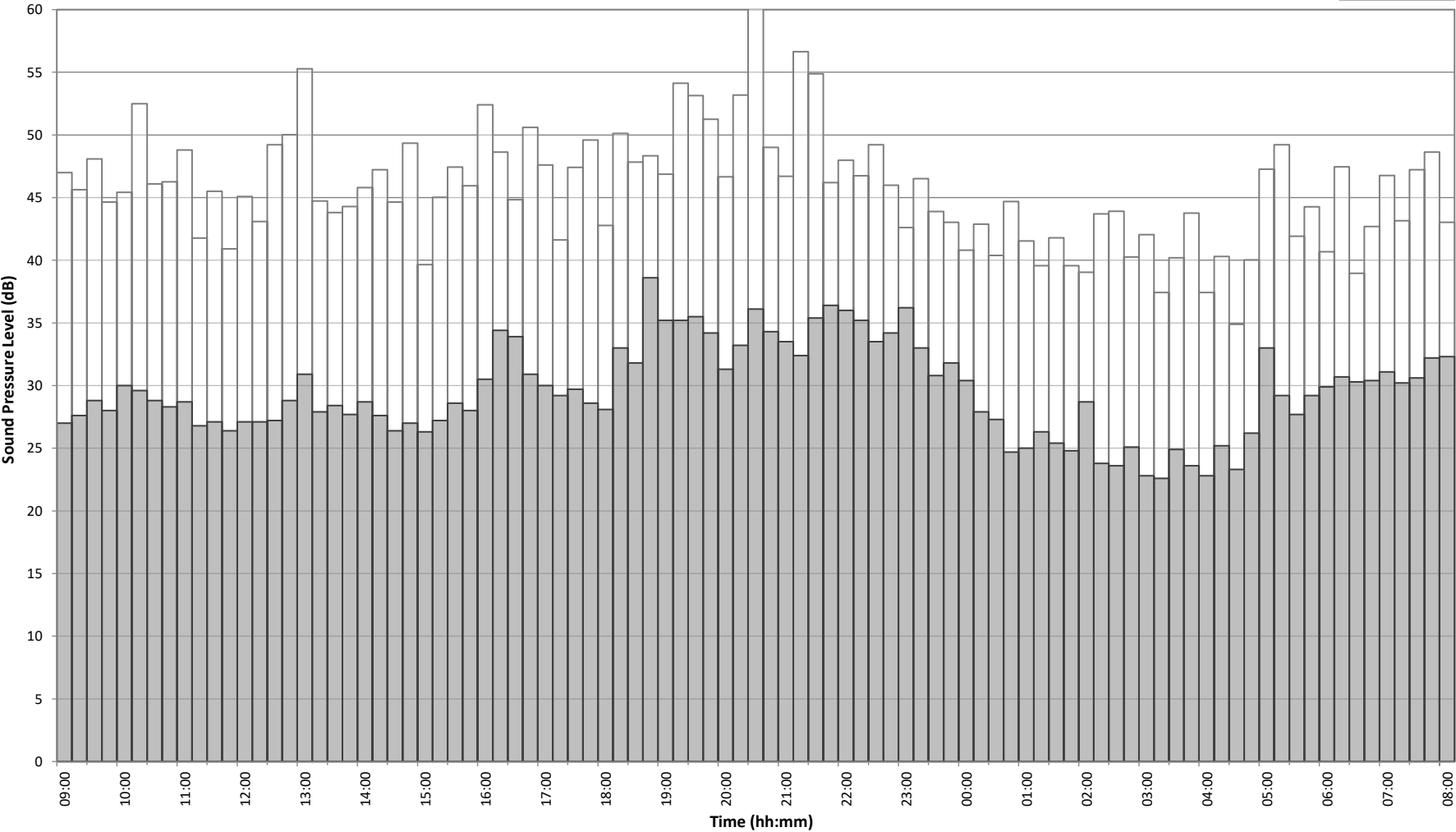
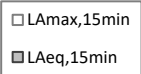


Waterhouse Gardens, Block A, B & E

22015-ABE-2-G2

Survey 2: Block A, 503 Bedroom

Tuesday 24 March 2026 - Wednesday 25 March 2026

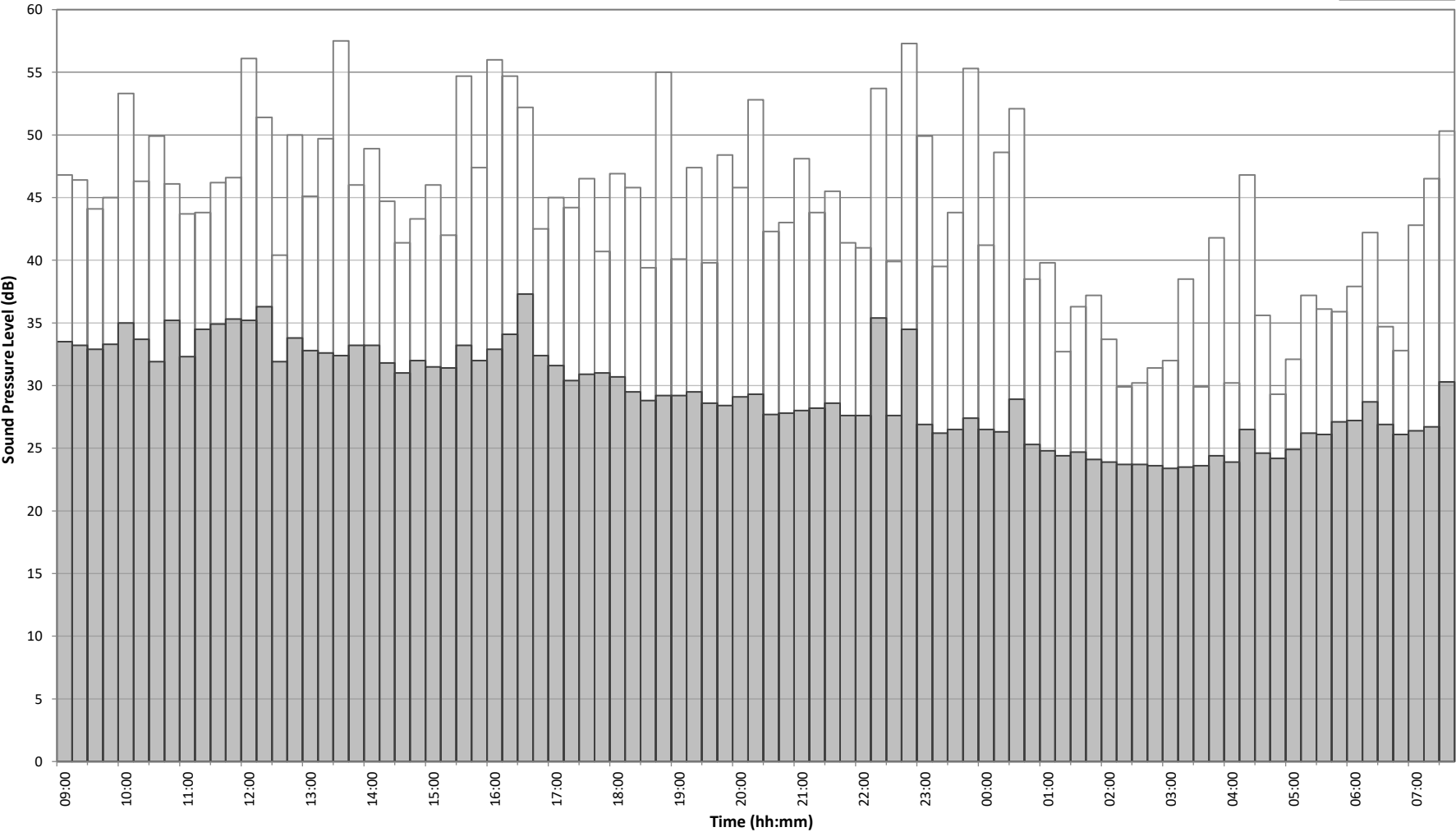
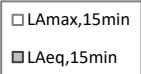


Waterhouse Gardens, Block A, B & E

22015-ABE-2-G3

Survey 2: Block A, 905 Bedroom

Wednesday 25 March 2026 - Thursday 26 March 2026

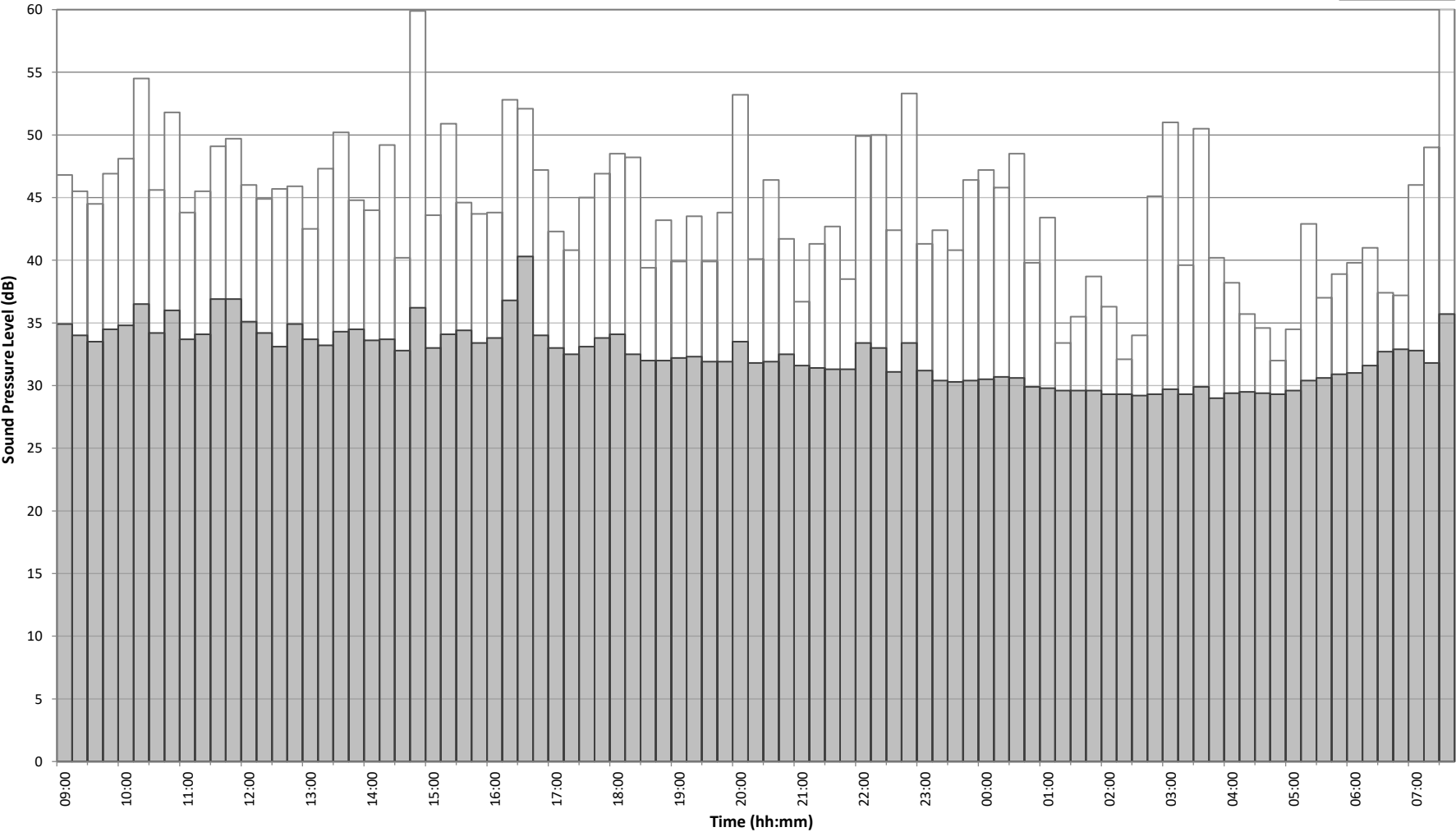
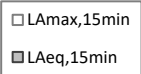


Waterhouse Gardens, Block A, B & E

22015-ABE-2-G4

Survey 2: Block A, 1104 Bedroom

Wednesday 25 March 2026 - Thursday 26 March 2026

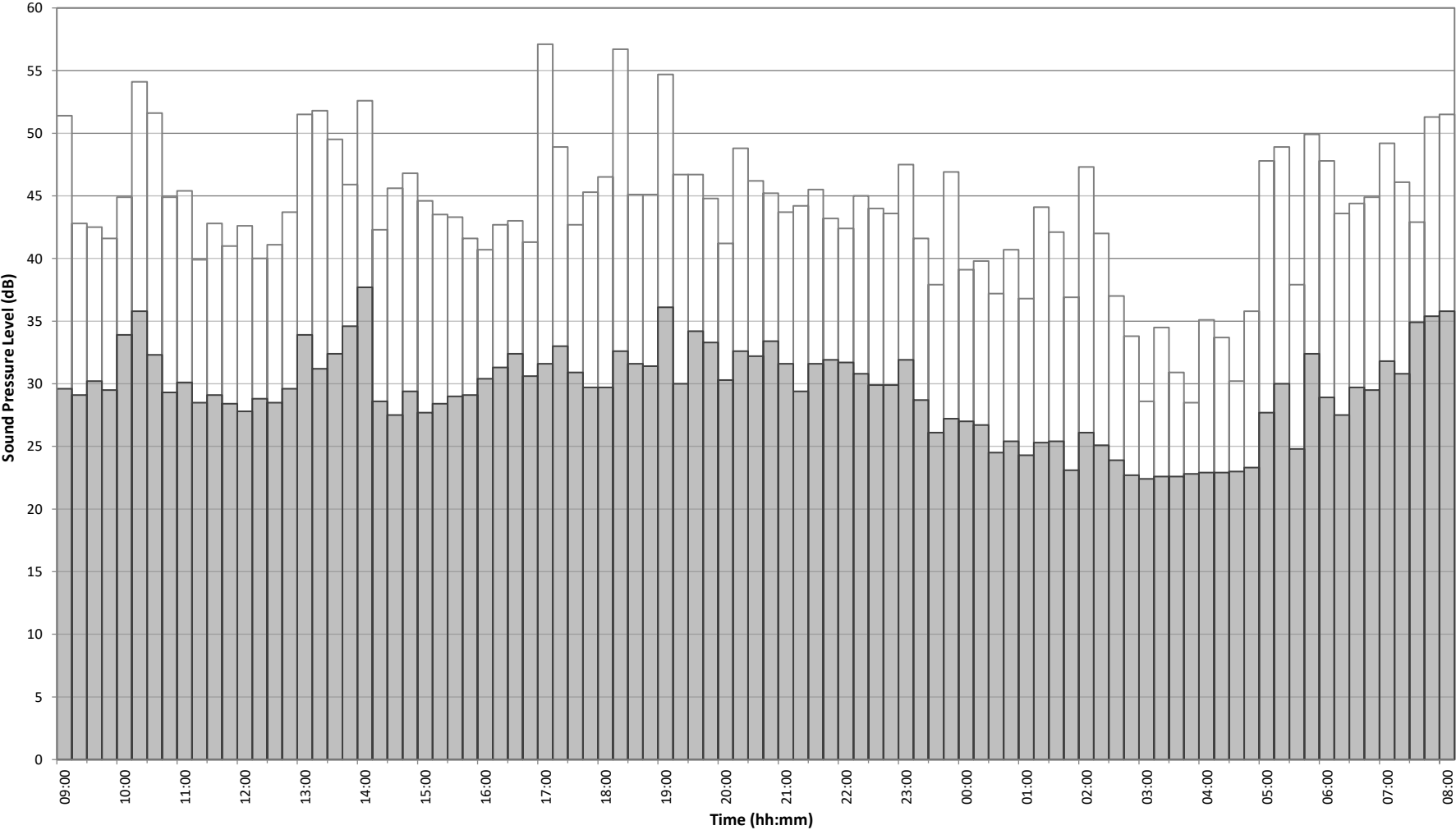
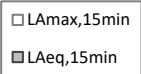


Waterhouse Gardens, Block A, B & E

22015-ABE-2-G5

Survey 2: Block B, 202 Bedroom

Tuesday 24 March 2026 - Wednesday 25 March 2026

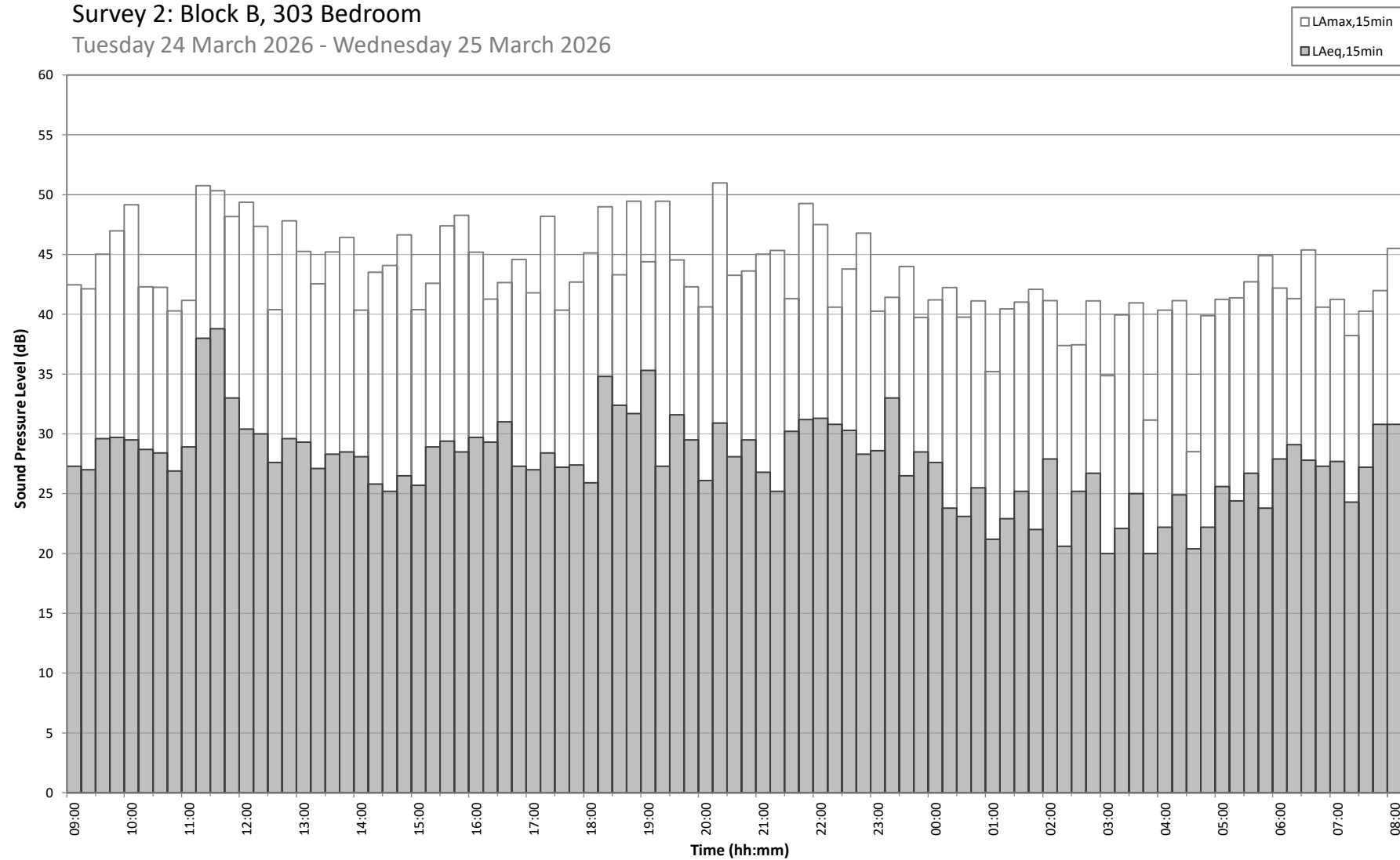


Waterhouse Gardens, Block A, B & E

Survey 2: Block B, 303 Bedroom

Tuesday 24 March 2026 - Wednesday 25 March 2026

22015-ABE-2-G6

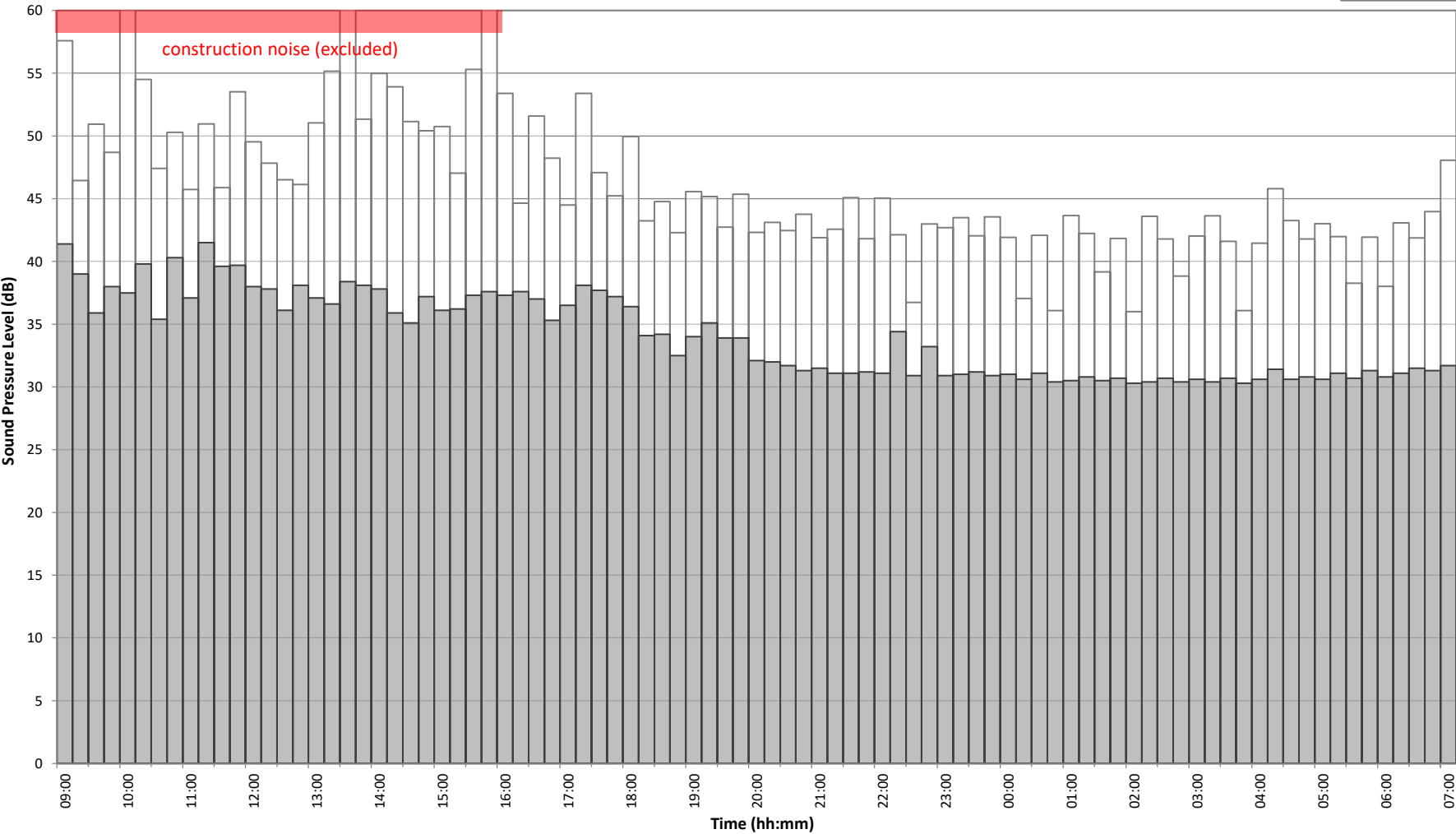
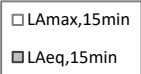


Waterhouse Gardens, Block A, B & E

22015-ABE-2-G7

Survey 2: Block B, 303 Bedroom

Wednesday 25 March 2026 - Thursday 26 March 2026

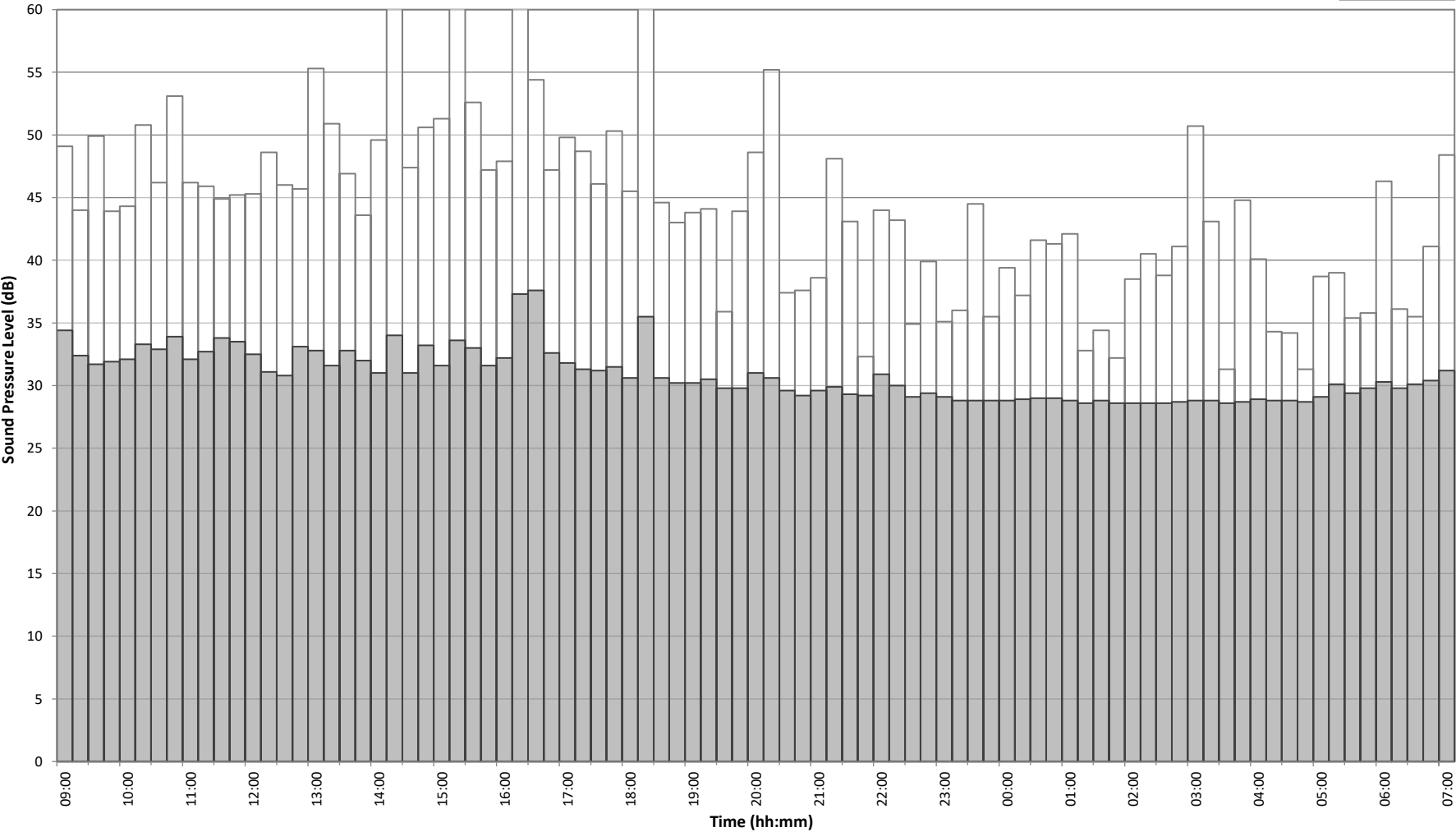
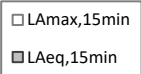


Waterhouse Gardens, Block A, B & E

22015-ABE-2-G8

Survey 2: Block B, 401 Bedroom

Wednesday 25 March 2026 - Thursday 26 March 2026

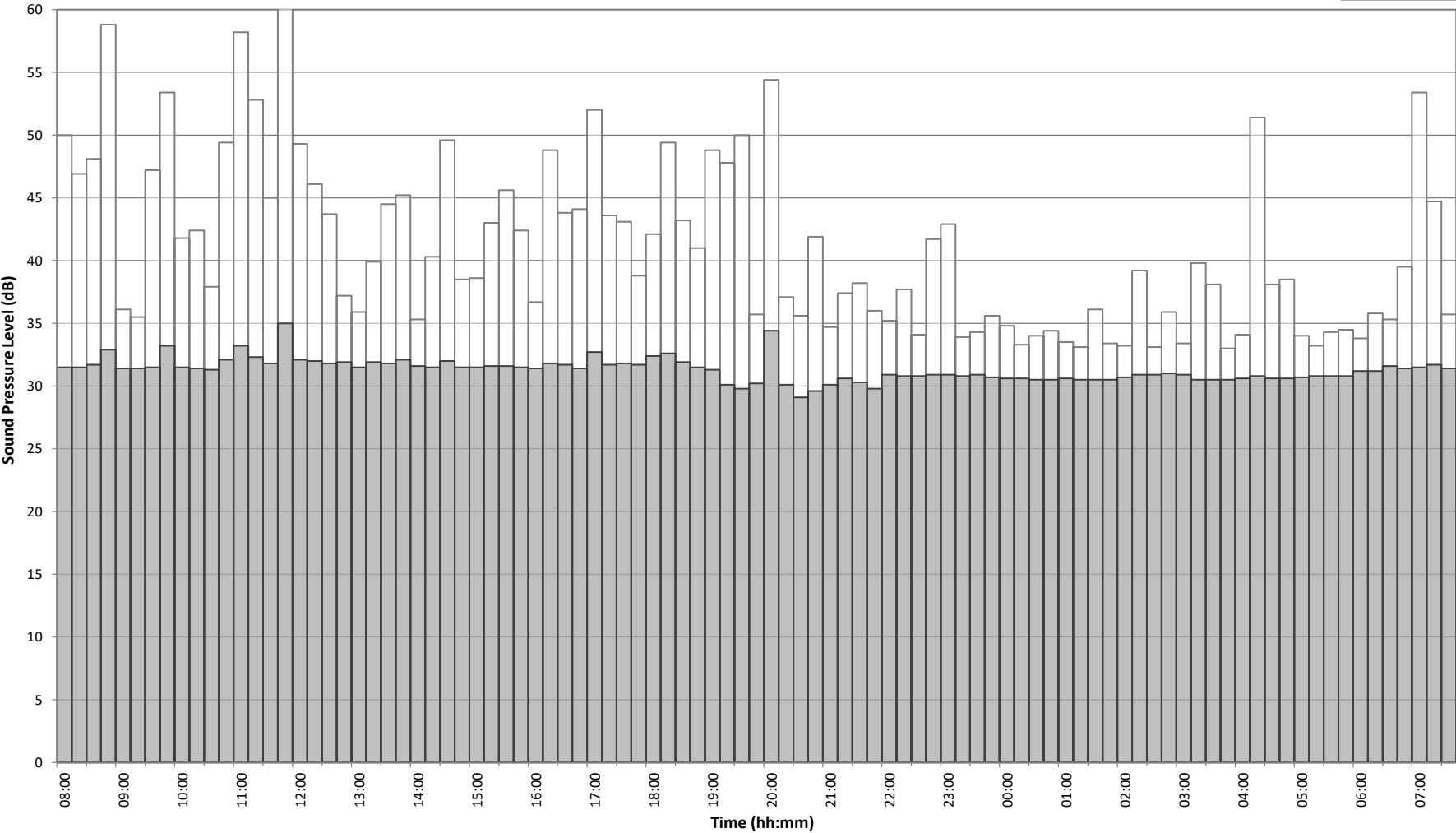
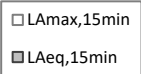


Waterhouse Gardens, Block A, B & E

22015-ABE-2-G9

Survey 2: Block E, 230 Bedroom

Tuesday 24 March 2026 - Wednesday 25 March 2026

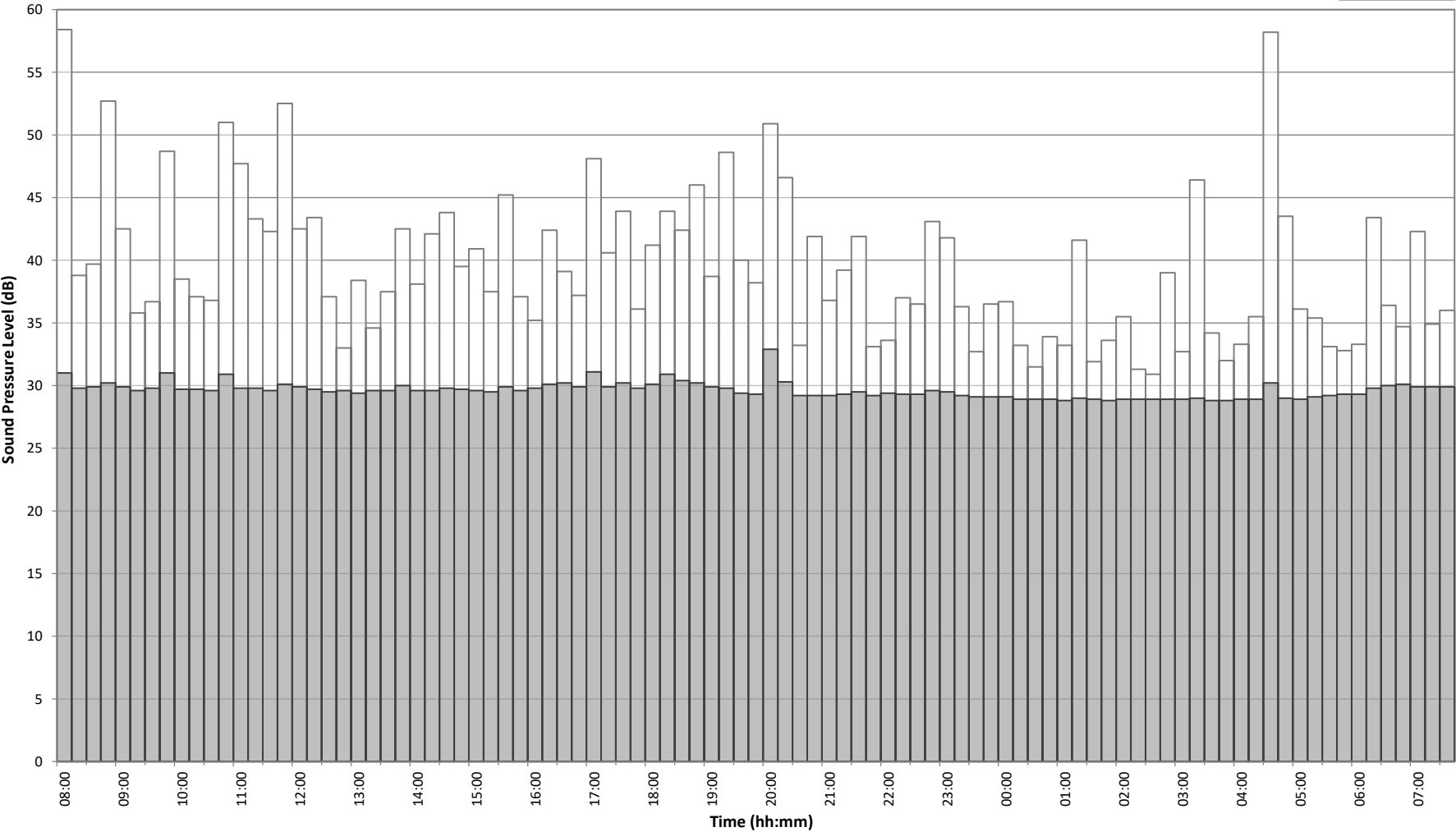
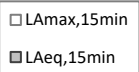


Waterhouse Gardens, Block A, B & E

Survey 2: Block E, 329 Bedroom

Tuesday 24 March 2026 - Wednesday 25 March 2026

22015-ABE-2-G10

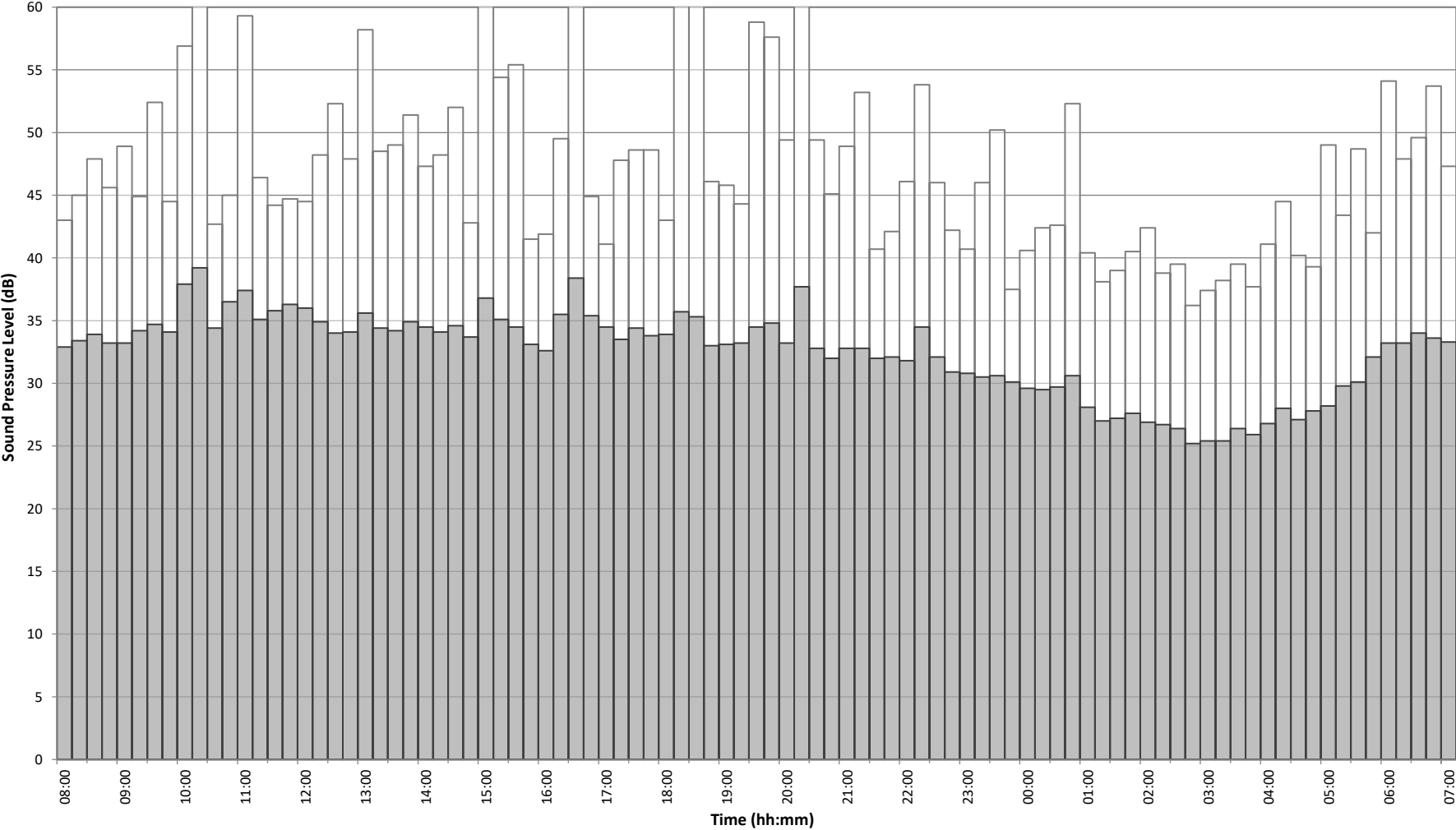
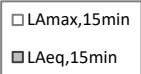


Waterhouse Gardens, Block A, B & E

22015-ABE-2-G11

Survey 2: Block E, 526 Bedroom

Wednesday 25 March 2026 - Thursday 26 March 2026



Waterhouse Gardens, Block A, B & E

22015-ABE-2-G12

Survey 2: Block E, 532 Bedroom

Wednesday 25 March 2026 - Thursday 26 March 2026

